HXYx 2 axes

Pole type | Whipover

Ordering method

HXYx - S - P1 - [X-axis stroke] - [Y-axis stroke] - [Cable] - RCX320-2 - [ ] - R - [ ] - [ ] - [ ] - [ ]

Model	Cable	Combination	X-axis stroke Note 1	Y-axis stroke Note 1	Cable
HXYx	S	P1	25 to 85cm	25 to 85cm	3L: 3.5m 5L: 5m 10L: 10m

Controller / Number of controllable axes	Safety standard	Regeneratine unit	Option A (OP.A)	Option B (OP.B)	Vision System	Absolute battery
RCX320-2		R				

Specify various controller setting items. RCX320 ▶ P548

Controller	Usable for CE	Regeneratine unit	I/O selection 1	I/O selection 2
RCX222HP		R		

Specify various controller setting items. RCX222 ▶ P558

Note 1. The total of the X and Y strokes should be 1100mm or less.

Specification

	X-axis	Y-axis
Axis construction Note 1	F20	F20-BK
AC servo motor output (W)	600	600
Repeatability Note 2 (mm)	+/-0.01	+/-0.01
Drive system	Ball screw ϕ20	Ball screw ϕ20
Ball screw lead Note 3 (Deceleration ratio) (mm)	20	10
Maximum speed Note 4 (mm/sec)	1200	600
Moving range (mm)	250 to 850	250 to 850
Robot cable length (m)	Standard: 3.5 Option: 5,10	

Note 1. Use caution that the flame machining (installation holes, tap holes) differs from single-axis robots'.
Note 2. Positioning repeatability in one direction.
Note 3. Leads not listed in the catalog are also available. Contact us for details.
Note 4. When the X-axis/Y-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below.

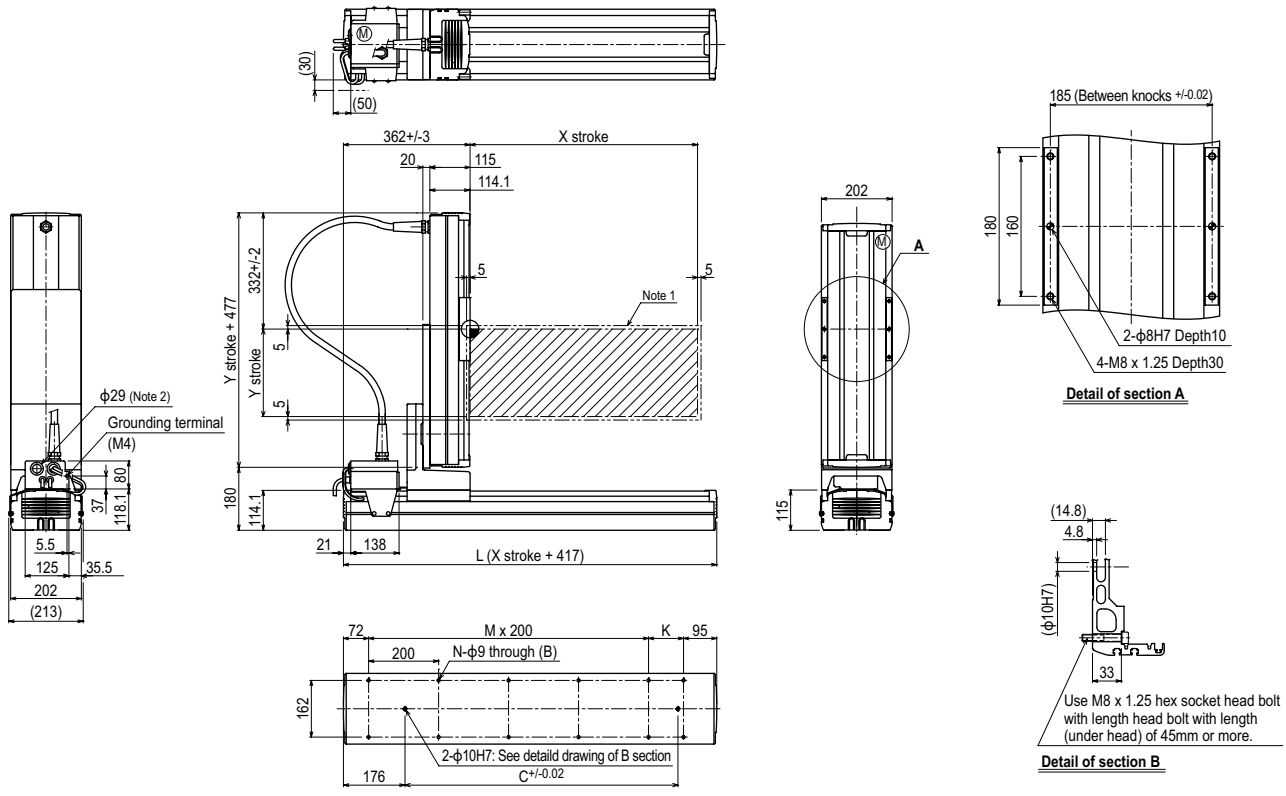
Maximum payload (kg)

Y stroke (mm)	XY 2 axes
250 to 850	30

Controller

Controller	Operation method
RCX320-R RCX222HP-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication

HXYx 2 axes P1



X stroke Note 3	250	350	450	550	650	750	850
L	667	767	867	967	1067	1167	1267
K	100	200	100	200	100	200	100
C	420	420	600	600	780	780	960
M	2	2	3	3	4	4	5
N	8	8	10	10	12	12	14

Y stroke Note 3	250	350	450	550	650	750	850

Maximum speed for each stroke (mm/sec) Note 4							
	X-axis	1200					960
	Y-axis	600					480
	Speed setting	–					80%

Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
Note 2. User cable extraction port.
Note 3. The total of the X and Y strokes should be 1100mm or less.
Note 4. When the X-axis/Y-axis stroke is longer than 850mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.

Controller RCX320 ▶ 548 RCX222 ▶ 558